

1   **WHAT IS CLAIMED IS:**

2           1. A heat radiator comprising:

3           a water tank having a hollow body, and cooling liquid contained in the  
4   hollow body;

5           a first radiating member having a top plate secured at top edges of the  
6   water tank, multiple first fins formed beneath the top plate and immersed in the  
7   cooling liquid, a heat insulating pad adhered on the top plate, and at least one  
8   semiconductor refrigerating component mounted on the top plate and having a  
9   hot surface abutting the top plate and a cold surface exposed from the heat  
10   insulating pad;

11          a second radiating member positioned on the first radiating member and  
12   having a bottom plate with an area over the at least one semiconductor  
13   refrigerating component, and multiple second fins formed on the bottom plate;  
14   and

15          a fan mounted on the second fins of the second radiating member.

16          2. The heat radiator as claimed in claim 1 further comprising a cover  
17   detachably mounted on the water tank to envelop the second radiating member  
18   and the fan, and louvers defined at top and side surfaces of the cover.

19          3. The heat radiator as claimed in claim 2, wherein the cover has a  
20   handle formed thereon.

21          4. The heat radiator as claimed in claim 1, wherein the first radiating  
22   member further has a shield formed beneath the plate and outside the first fins  
23   with a length larger than the first fins.

24          5. The heat radiator as claimed in claim 2, wherein the water tank has

- 1 multiple barbs formed at the top edges of the hollow body, and the cover has
- 2 multiple hooks formed at bottom edges of the cover and respectively attached to
- 3 the barbs.